Teppo Hiltunen

List of Publications by Year
in descending order

45 papers	1,337 citations	394421 19 h-index	377865 34 g-index
51 all docs	51 docs citations	51 times ranked	1641 citing authors

#	Article	IF	Citations
1	Effects of phenotypic variation on consumer coexistence and prey community structure. Ecology Letters, 2022, 25, 307-319.	6.4	5
2	Effect of mutation supply on population dynamics and trait evolution in an experimental microbial community. Ecology Letters, 2022, 25, 355-365.	6.4	1
3	Siderophores as an iron source for picocyanobacteria in deep chlorophyll maximum layers of the oligotrophic ocean. ISME Journal, 2022, 16, 1636-1646.	9.8	18
4	Strong selective environments determine evolutionary outcome in time-dependent fitness seascapes. Evolution Letters, 2022, 6, 266-279.	3.3	4
5	The spread of the plasmid RP4 in a synthetic bacterial community is dependent on the particular donor strain. FEMS Microbiology Ecology, 2021, 97, .	2.7	13
6	Co-evolution as an important component explaining microbial predator-prey interaction. Journal of Theoretical Biology, 2020, 486, 110095.	1.7	15
7	Repeatable ecological dynamics govern the response of experimental communities to antibiotic pulse perturbation. Nature Ecology and Evolution, 2020, 4, 1385-1394.	7.8	22
8	Evolution in interacting species alters predator life-history traits, behaviour and morphology in experimental microbial communities. Proceedings of the Royal Society B: Biological Sciences, 2020, 287, 20200652.	2.6	9
9	High variability of plasmid uptake rates in Escherichia coli isolated from sewage and river sediments. PLoS ONE, 2020, 15, e0232130.	2.5	2
10	A high-throughput approach to the culture-based estimation of plasmid transfer rates. Plasmid, 2019, 101, 28-34.	1.4	11
11	Predator coevolution and prey trait variability determine species coexistence. Proceedings of the Royal Society B: Biological Sciences, 2019, 286, 20190245.	2.6	17
12	The role of stressors in altering ecoâ€evolutionary dynamics. Functional Ecology, 2019, 33, 73-83.	3.6	13
13	Frequency of virusâ€resistant hosts determines experimental community dynamics. Ecology, 2019, 100, e02554.	3.2	1
14	Ecology determines how low antibiotic concentration impacts community composition and horizontal transfer of resistance genes. Communications Biology, 2018, 1, 35.	4.4	80
15	Effect of resource availability on evolution of virulence and competition in an environmentally transmitted pathogen. FEMS Microbiology Ecology, 2018, 94, .	2.7	11
16	Dual-stressor selection alters eco-evolutionary dynamics in experimental communities. Nature Ecology and Evolution, 2018, 2, 1974-1981.	7.8	38
17	Black Queen Evolution and Trophic Interactions Determine Plasmid Survival after the Disruption of the Conjugation Network. MSystems, 2018, 3, .	3.8	18
18	Construction and Characterization of Synthetic Bacterial Community for Experimental Ecology and Evolution. Frontiers in Genetics, 2018, 9, 312.	2.3	28

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19	Conjugative ESBL plasmids differ in their potential to rescue susceptible bacteria via horizontal gene transfer in lethal antibiotic concentrations. Journal of Antibiotics, 2017, 70, 805-808.	2.0	12
20	Sublethal streptomycin concentrations and lytic bacteriophage together promote resistance evolution. Philosophical Transactions of the Royal Society B: Biological Sciences, 2017, 372, 20160040.	4.0	39
21	Antibiotic resistance in the wild: an eco-evolutionary perspective. Philosophical Transactions of the Royal Society B: Biological Sciences, 2017, 372, 20160039.	4.0	136
22	Genomic evolution of bacterial populations under coselection by antibiotics and phage. Molecular Ecology, 2017, 26, 1848-1859.	3.9	19
23	Evolutionary contribution to coexistence of competitors in microbial food webs. Proceedings of the Royal Society B: Biological Sciences, 2017, 284, 20170415.	2.6	23
24	Competition between a toxic and a non-toxic Microcystis strain under constant and pulsed nitrogen and phosphorus supply. Aquatic Ecology, 2017, 51, 117-130.	1.5	22
25	Newly isolated <i>Nodularia</i> phage influences cyanobacterial community dynamics. Environmental Microbiology, 2017, 19, 273-286.	3.8	83
26	Dynamical trade-offs arise from antagonistic coevolution and decrease intraspecific diversity. Nature Communications, 2017, 8, 2059.	12.8	30
27	Evolving interactions between diazotrophic cyanobacterium and phage mediate nitrogen release and host competitive ability. Royal Society Open Science, 2016, 3, 160839.	2.4	31
28	Scoping the effectiveness and evolutionary obstacles in using plasmid-dependent phages to fight antibiotic resistance. Future Microbiology, 2016, 11, 999-1009.	2.0	12
29	Conjugation is necessary for a bacterial plasmid to survive under protozoan predation. Biology Letters, 2016, 12, 20150953.	2.3	28
30	Environmental fluctuations restrict eco-evolutionary dynamics in predatorâ€“prey system. Proceedings of the Royal Society B: Biological Sciences, 2015, 282, 20150013.	2.6	36
31	Protist predation can select for bacteria with lowered susceptibility to infection by lytic phages. BMC Evolutionary Biology, 2015, 15, 81.	3.2	27
32	Eco-Evolutionary Dynamics in a Three-Species Food Web with Intraguild Predation. Advances in Ecological Research, 2014, 50, 41-73.	2.7	22
33	Consumer co-evolution as an important component of the eco-evolutionary feedback. Nature Communications, 2014, 5, 5226.	12.8	84
34	A newly discovered role of evolution in previously published consumerâ€“resource dynamics. Ecology Letters, 2014, 17, 915-923.	6.4	91
35	Rapid evolutionary adaptation to elevated salt concentrations in pathogenic freshwater bacteria <i>Serratia marcescens</i>. Ecology and Evolution, 2014, 4, 3901-3908.	1.9	14
36	The relative importance of competition and predation in environment characterized by resource pulses â€“ an experimental test with a microbial community. BMC Ecology, 2013, 13, 29.	3.0	9

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37	Temporal dynamics of a simple community with intraguild predation: an experimental test. Ecology, 2013, 94, 773-779.	3.2	26
38	Mixotrophy and the toxicity of <i>Ochromonas</i> in pelagic food webs. Freshwater Biology, 2012, 57, 2262-2271.	2.4	22
39	Predation and resource fluctuations drive eco-evolutionary dynamics of a bacterial community. Acta Oecologica, 2012, 38, 77-83.	1.1	17
40	High Temperature and Bacteriophages Can Indirectly Select for Bacterial Pathogenicity in Environmental Reservoirs. PLoS ONE, 2011, 6, e17651.	2.5	61
41	Pulsed-resource dynamics increase the asymmetry of antagonistic coevolution between a predatory protist and a prey bacterium. Journal of Evolutionary Biology, 2011, 24, 2563-2573.	1.7	21
42	Predation on Multiple Trophic Levels Shapes the Evolution of Pathogen Virulence. PLoS ONE, 2009, 4, e6761.	2.5	69
43	Temporal variability in detritus resource maintains diversity of bacterial communities. Acta Oecologica, 2008, 33, 291-299.	1.1	18
44	Availability of prey resources drives evolution of predatorâ€“prey interaction. Proceedings of the Royal Society B: Biological Sciences, 2008, 275, 1625-1633.	2.6	65
45	Interactions between environmental variability and immigration rate control patterns of species diversity. Ecological Modelling, 2006, 194, 125-131.	2.5	11